

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P567454

Luminaire Tested: **8SNX-162HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-162HL-LC-UNV-L930-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

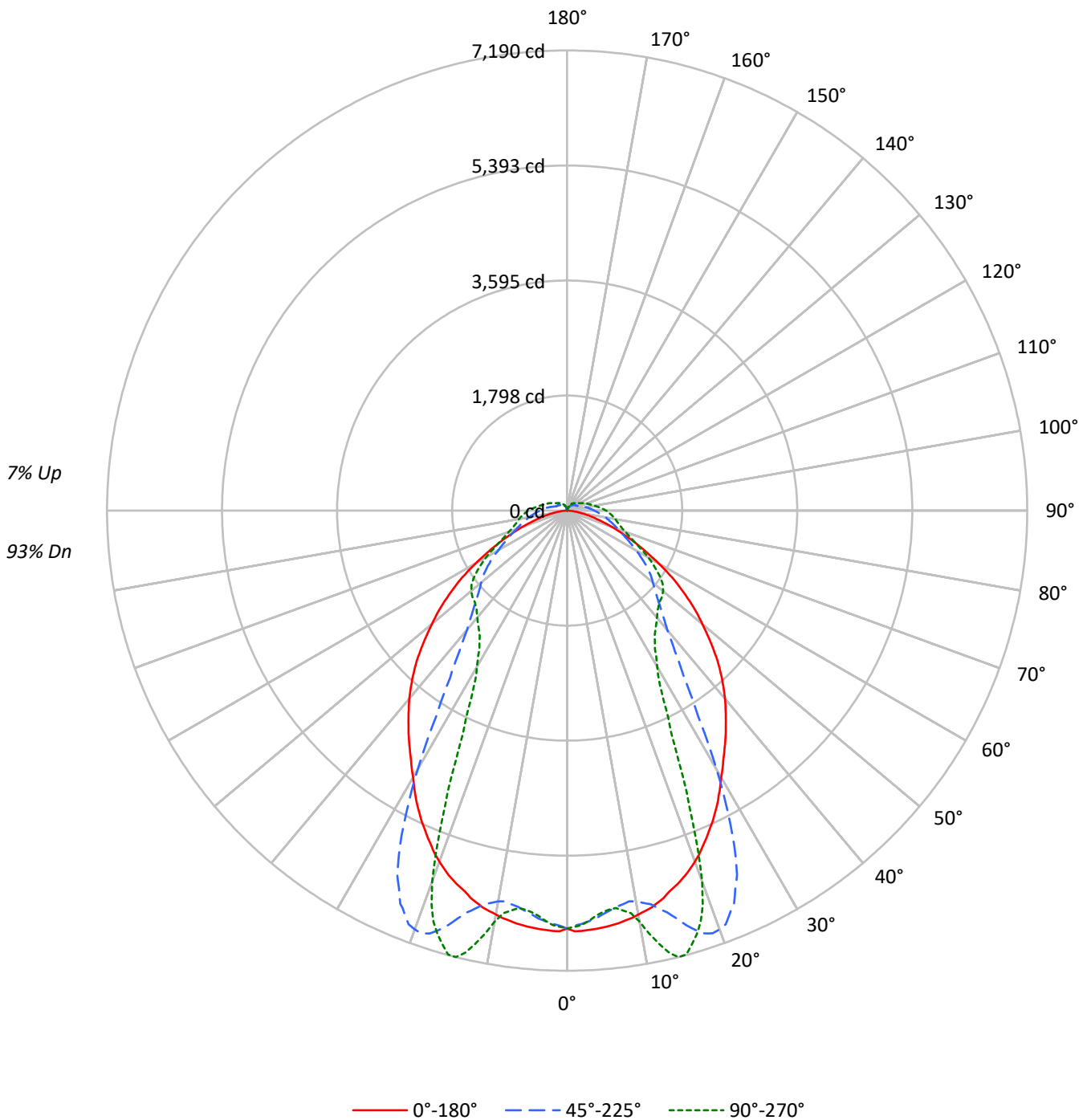
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14512.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 110.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35143	35143	35143
5°	35248	32839	32168
10°	34890	31217	31898
15°	34142	32506	33958
20°	33174	33889	28420
25°	31574	30408	17475
30°	29566	22654	12647
35°	27936	15639	10669
40°	26483	12140	9833
45°	24780	10338	9299
50°	22538	9280	9129
55°	20170	8393	8446
60°	17103	7263	7305
65°	13910	6327	6097
70°	10916	5688	5368
75°	8464	5288	5006
80°	5957	5008	4955
85°	3317	4779	4921



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.6	4.2
10°-20°	1856.6	12.8
20°-30°	2500.0	17.2
30°-40°	2366.0	16.3
40°-50°	2088.3	14.4
50°-60°	1696.2	11.7
60°-70°	1153.6	7.9
70°-80°	742.3	5.1
80°-90°	493.6	3.4
90°-100°	339.2	2.3
100°-110°	227.7	1.6
110°-120°	160.6	1.1
120°-130°	114.7	0.8
130°-140°	81.0	0.6
140°-150°	50.3	0.3
150°-160°	24.5	0.2
160°-170°	8.6	0.1
170°-180°	1.5	0.0
0°-30°	4964.2	34.2
0°-40°	7330.1	50.5
0°-60°	11114.6	76.6
0°-90°	13504.0	93.1
90°-120°	727.5	5.0
90°-150°	973.4	6.7
90°-180°	1008.0	6.9
0°-180°	14512.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6530	6530	6530	6530	6530	
5°	6536	6476	6337	6332	6302	620
15°	6162	6122	6594	7177	7183	1737
25°	5369	6366	6282	4562	3858	2464
35°	4314	6053	3191	2457	2382	2700
45°	3324	4072	2018	1994	2036	2552
55°	2214	2408	1516	1693	1757	1977
65°	1141	1298	1015	1128	1163	1146
75°	439	614	716	802	840	477
85°	66	262	507	643	687	87
90°	2	182	423	569	607	4
95°	2	140	357	483	516	2
105°	4	98	235	330	370	4
115°	4	84	173	246	277	5
125°	7	71	148	186	199	6
135°	9	55	122	155	164	7
145°	9	40	86	120	131	6
155°	11	24	53	80	91	5
165°	11	16	29	40	49	3
175°	13	13	13	13	11	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6529.7	6529.7	6529.7	6529.7	6529.7
1°	6574.0	6554.1	6487.6	6523.0	6505.3
2°	6571.8	6538.5	6463.2	6503.1	6480.9
3°	6560.7	6525.3	6427.8	6452.1	6418.9
4°	6549.6	6507.5	6390.1	6390.1	6352.4
5°	6536.3	6476.5	6336.9	6332.5	6301.5
6°	6520.8	6452.1	6290.4	6286.0	6268.2
7°	6498.7	6410.0	6239.4	6270.4	6257.2
8°	6472.1	6370.2	6212.8	6290.4	6310.3
9°	6447.7	6321.4	6181.8	6352.4	6367.9
10°	6407.8	6277.1	6201.8	6476.5	6523.0
11°	6374.6	6239.4	6246.1	6598.4	6738.0
12°	6341.4	6199.5	6288.2	6751.3	6921.9
13°	6286.0	6168.5	6381.2	6917.4	7092.5
14°	6237.2	6144.2	6472.1	7085.8	7190.0
15°	6161.9	6122.0	6593.9	7176.7	7183.3
16°	6110.9	6106.5	6735.7	7183.3	7059.2
17°	6053.3	6099.8	6851.0	7068.1	6921.9
18°	5989.1	6113.1	6946.2	6924.1	6755.7
19°	5915.9	6126.4	6986.1	6724.7	6507.5
20°	5836.2	6146.4	6964.0	6516.4	6166.3
21°	5756.4	6173.0	6921.9	6297.0	5718.7
22.5°	5608.0	6237.2	6722.5	5681.1	4978.7
23°	5565.9	6250.5	6675.9	5488.3	4785.9
24°	5461.7	6305.9	6463.2	5038.5	4276.3
25°	5368.7	6365.7	6281.5	4562.1	3857.5
26°	5264.5	6410.0	6006.8	4123.4	3600.5
27°	5162.6	6436.6	5694.4	3782.2	3312.5
28°	5045.2	6465.4	5355.4	3487.5	3095.3
29°	4934.4	6469.9	5020.8	3252.7	2924.7
30°	4814.7	6447.7	4668.5	3064.3	2818.4
32.5°	4553.3	6325.8	3806.6	2705.4	2552.5
35°	4314.0	6053.3	3190.6	2457.2	2381.9
37.5°	4072.5	5623.5	2758.6	2302.1	2277.7
40°	3835.4	5113.8	2432.8	2178.0	2182.5
42.5°	3585.0	4588.7	2209.1	2076.1	2096.1
45°	3323.6	4072.5	2018.5	1994.1	2036.2
47.5°	3033.3	3600.5	1867.8	1941.0	2005.2
50°	2758.6	3133.0	1750.4	1890.0	1956.5
52.5°	2497.1	2749.7	1644.1	1803.6	1881.1
55°	2213.5	2408.5	1515.5	1692.8	1757.1
57.5°	1943.2	2100.5	1380.4	1555.4	1613.0
60°	1646.3	1796.9	1243.0	1407.0	1462.4
62.5°	1378.2	1537.7	1125.6	1258.5	1302.8
65°	1141.1	1298.4	1014.8	1127.8	1163.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	930.6	1099.0	923.9	1019.2	1052.5
70°	733.4	910.7	844.2	930.6	966.0
72.5°	573.9	753.3	777.7	857.5	892.9
75°	438.7	613.8	715.7	802.1	839.8
77.5°	325.7	500.7	658.1	757.8	797.7
80°	214.9	398.8	607.1	717.9	764.4
82.5°	135.2	321.3	556.1	678.0	726.8
85°	66.5	261.5	507.4	642.6	686.9
87.5°	22.2	217.1	463.1	607.1	644.8
90°	2.2	181.7	423.2	569.4	607.1
92.5°	2.2	157.3	390.0	525.1	562.8
95°	2.2	139.6	356.7	483.0	516.3
97.5°	2.2	126.3	325.7	438.7	474.2
100°	2.2	113.0	292.5	396.6	434.3
102.5°	4.4	104.1	263.7	361.2	401.0
105°	4.4	97.5	234.9	330.1	370.0
107.5°	4.4	93.1	210.5	305.8	343.4
110°	4.4	88.6	192.8	283.6	323.5
112.5°	4.4	86.4	181.7	263.7	301.3
115°	4.4	84.2	172.8	245.9	277.0
117.5°	6.6	82.0	166.2	228.2	252.6
120°	6.6	77.5	161.7	212.7	232.6
122.5°	6.6	73.1	155.1	199.4	214.9
125°	6.6	70.9	148.5	186.1	199.4
127.5°	6.6	66.5	141.8	175.0	188.3
130°	8.9	62.0	135.2	166.2	177.3
132.5°	8.9	57.6	128.5	161.7	170.6
135°	8.9	55.4	121.9	155.1	164.0
137.5°	8.9	51.0	115.2	148.5	157.3
140°	8.9	46.5	106.4	139.6	148.5
142.5°	8.9	44.3	97.5	130.7	139.6
145°	8.9	39.9	86.4	119.6	130.7
147.5°	11.1	37.7	77.5	110.8	119.6
150°	11.1	33.2	68.7	101.9	110.8
152.5°	11.1	28.8	59.8	90.8	99.7
155°	11.1	24.4	53.2	79.8	90.8
157.5°	11.1	22.2	46.5	66.5	79.8
160°	11.1	19.9	39.9	57.6	68.7
162.5°	11.1	17.7	35.5	48.7	59.8
165°	11.1	15.5	28.8	39.9	48.7
167.5°	13.3	15.5	24.4	31.0	39.9
170°	13.3	15.5	19.9	24.4	31.0
172.5°	13.3	13.3	15.5	17.7	19.9
175°	13.3	13.3	13.3	13.3	11.1
177.5°	13.3	13.3	13.3	11.1	11.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.1	11.1	11.1	11.1	11.1

(END OF REPORT)